

Michael Sean Carroll

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

610
citations

687363

13
h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

644
citing authors

#	ARTICLE	IF	CITATIONS
1	Cycle-by-cycle assembly of respiratory network activity is dynamic and stochastic. <i>Journal of Neurophysiology</i> , 2013, 109, 296-305.	1.8	84
2	Congenital central hypoventilation syndrome and the PHOX2B gene: A model of respiratory and autonomic dysregulation. <i>Respiratory Physiology and Neurobiology</i> , 2010, 173, 322-335.	1.6	65
3	Congenital central hypoventilation syndrome: a bedside-to-bench success story for advancing early diagnosis and treatment and improved survival and quality of life. <i>Pediatric Research</i> , 2017, 81, 192-201.	2.3	51
4	Prostaglandin E2-Induced Synaptic Plasticity in Neocortical Networks of Organotypic Slice Cultures. <i>Journal of Neuroscience</i> , 2010, 30, 11678-11687.	3.6	47
5	Patterns of inspiratory phase-dependent activity in the in vitro respiratory network. <i>Journal of Neurophysiology</i> , 2013, 109, 285-295.	1.8	46
6	Pupillometry in congenital central hypoventilation syndrome (CCHS): quantitative evidence of autonomic nervous system dysregulation. <i>Pediatric Research</i> , 2012, 71, 280-285.	2.3	41
7	Residual chemosensitivity to ventilatory challenges in genotyped congenital central hypoventilation syndrome. <i>Journal of Applied Physiology</i> , 2014, 116, 439-450.	2.5	39
8	Carbon dioxide chemoreception and hypoventilation syndromes with autonomic dysregulation. <i>Journal of Applied Physiology</i> , 2010, 108, 979-988.	2.5	35
9	Rapid-onset obesity with hypothalamic dysfunction, hypoventilation, and autonomic dysregulation (ROHHAD): Response to ventilatory challenges. <i>Pediatric Pulmonology</i> , 2015, 50, 1336-1345.	2.0	30
10	Congenital Central Hypoventilation Syndrome. <i>Clinics in Chest Medicine</i> , 2014, 35, 535-545.	2.1	26
11	Congenital Central Hypoventilation Syndrome and Sudden Infant Death Syndrome: Disorders of Autonomic Regulation. <i>Seminars in Pediatric Neurology</i> , 2013, 20, 44-55.	2.0	25
12	Respiratory and cardiovascular indicators of autonomic nervous system dysregulation in familial dysautonomia. <i>Pediatric Pulmonology</i> , 2012, 47, 682-691.	2.0	24
13	The Pathophysiology of Rett Syndrome With a Focus on Breathing Dysfunctions. <i>Physiology</i> , 2020, 35, 375-390.	3.1	20
14	Diurnal variation in autonomic regulation among patients with genotyped Rett syndrome. <i>Journal of Medical Genetics</i> , 2020, 57, 786-793.	3.2	17
15	Congenital central hypoventilation syndrome (CCHS): Circadian temperature variation. <i>Pediatric Pulmonology</i> , 2016, 51, 300-307.	2.0	16
16	Development of a Heart Rate Variability Risk Score to Predict Organ Dysfunction and Death in Critically Ill Children. <i>Pediatric Critical Care Medicine</i> , 2021, 22, e437-e447.	0.5	16
17	Heart rate variability as a marker of recovery from critical illness in children. <i>PLoS ONE</i> , 2019, 14, e0215930.	2.5	13
18	Cerebral Autoregulation during Orthostatic Challenge in Congenital Central Hypoventilation Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 340-349.	5.6	6

#	ARTICLE	IF	CITATIONS
19	Novel methods of imaging and analysis for the thermoregulatory sweat test. Journal of Applied Physiology, 2018, 125, 755-762.	2.5	3
20	Hypoventilation Syndromes of Infancy, Childhood, and Adulthood. Sleep Medicine Clinics, 2014, 9, 425-439.	2.6	2
21	Autonomic Nervous System Dysfunction Is Associated With Re-hospitalization in Pediatric Septic Shock Survivors. Frontiers in Pediatrics, 2021, 9, 745844.	1.9	2
22	Cardiovascular Response To Exogenous Ventilatory Challenges In Congenital Central Hypoventilation Syndrome: PHOX2B Genotype Association. , 2010, , .		1
23	Respiratory Response To Exogenous Ventilatory Challenges In Congenital Central Hypoventilation Syndrome (CCHS): PHOX2B Genotype/CCHS Phenotype Association. , 2011, , .		1